Huntleigh HEALTHCARE

AKRON Products Division

# AKRON® STANDARD TILT TABLE

Models
8622, 8622T, 8631, 8631T, 8632, 8632T

# USER MANUAL

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CE

"The CE mark on this product demonstrates conformity with the EC Directive 93/42/EEC."

# 1. Introduction

Always keep this Operating Manual available for reference.

## Warnings & Cautions

**WARNINGS**

**Warnings identify possible hazards in procedures or conditions which, if not correctly followed, could result in death, injury or other serious adverse reactions.**

CAUTIONS

Cautions identify conditions or procedures which, if not correctly followed, could result in equipment failure or damage.

## General Warnings

**WARNINGS**

**Use only accessories that have been designed or approved for use with this table.**

**Do not use electric couches in the presence of flammable gasses such as an anaesthetic agent.**

**Maximum Load 180 Kg (396 lbs) distributed evenly.**

**Do not concentrate weight on either side of the table.**

**Plug acts as a disconnect device.**

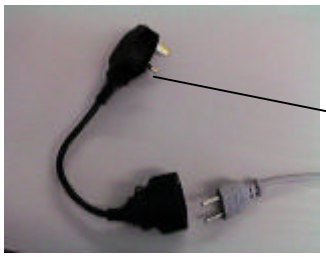
**Do not allow children to play with the table at any time.**

**Adequately supervise children in the proximity of the table.**

## 2. Installation

### Electric Models

**WARNING**
**Do not insert the 2-pin mains connector directly into a 3-pin 13A mains outlet, always use the adapter provided.**



Use adapter if 3 pin 13A plug is required.
(Order reference 5S0409Z)

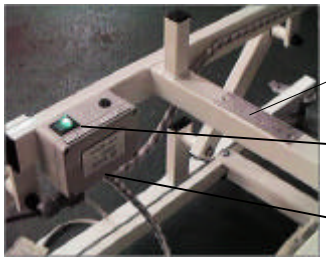
Ensure mains supply cable is not stretched when connected.

Ensure, during table use, no obstacles are in its path.

Ensure handswitch tubes or leads are not trapped by moving parts of the table.

CAUTION
Ensure that the electricty supply is compatible with the table.

When not in use, switch table off. Plug acts as disconnect device.



Serial No. Label

Mains ON/OFF switch

Junction Box (Models 8622, 8622T only)

# 3. Operation

## Wheel System

**WARNING**
**Lock each wheel individually prior to patient transfer or treatment. Disconnect and coil electrical cord away from moving parts prior to repositioning table.**

Wheel Unlocked

Wheel Locked

## Angle Indicator

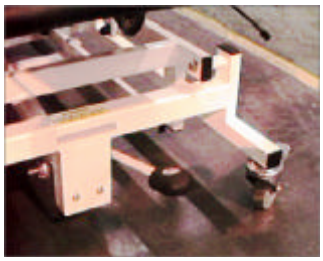
Tilt table as desired and view angle indicator.

# 3. Operation

## Elevation Controls

**WARNING**
**Safely position patient before elevating table.**
**Position all electrical cables away from the moving parts.**
**Position Hand/Footswitch where accidental operation is not possible.**

### Hydraulic Models (8631, 8631T)



↓ Pump pedal to raise table

↑ Lift pedal to lower table

### Electric Models (8622, 8622T)

Press ↑ to raise table.

Press ↓ to lower table.

Twin Hand Switch

### Electric Models (8632, 8632T)

Press ↑ to raise table.

Press ↓ to lower table.

Handswitch

AUF

Press ↑ to raise table.

AB

Press ↓ to lower table.

Footswitch

# 3. Operation

## Tilting Controls

**WARNING**

**Ensure that the patient is safely positioned prior to tilting the table.**

**Always secure the patient using the straps provided prior to tilting the table.**

**Under no circumstances should the table be moved with the patent in situ and in tilt mode.**

**In the interest of patient safety, always ensure that a member of staff (Or other competent individual) is close at hand when the patient is in tilt.**

**Ensure that all electrical cables are positioned away from the moving parts of the table.**

**Care should be taken when tilting the tilt table into the vertical position.**

**Ensure table is elevated sufficiently prior to tilting vertical as table may lift off wheels.**

**Ensure no object is underneath footboard when tilting as this could cause entrapment.**

### Models 8631, 8631T, 8632 & 8632T

A) Squeeze lever towards chrome side rail to alter section angle.

B) Support section when altering angle.

C) Release lever to lock section in position.

Operating Lever

Angles = 0° - 90°

### Models 8622 & 8622T

Press ↑ to raise table (Tilt).

Press ↓ to lower table (Tilt).

# 3. Operation

## Adjustable Foot Board

> CAUTION
> For packing and delivery, the footboard will be positioned in a negative position.
> It must be returned to a positive angle prior to use, as described below.

Negative (Transit)

Positive (In use)

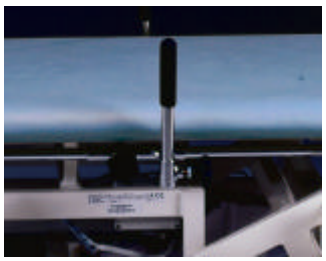
A) Rotate the locking tubes located on the end of the chrome rails clockwise, until the foot board can swing into a positive position.

B) Once in a positive position, the foot board can then be positioned as required by rotating the locking tubes to set the required angle.

> CAUTION
> When returning the table from tilt to horizontal it may be necessary to support the footboard to prevent it falling towards the upholstery.

## Hand Grip

> CAUTION
> It is recommended that the handgrips are used whenever the patient is being tilted as it provides security and reduces anxiety.



To fit Hand Grips:-

A) Remove Work Table (if fitted).
B) Slide Hand Grips into fixation brackets on both sides of the table.
C) Tighten locking knobs on fixation brackets to secure.

To adjust height of Hand Grips:-

A) Loosen locking knobs on sliding fixation brackets on both sides of the table.
B) Slide Hand Grips along chrome rails to desired height.
C) Re-tighten locking knobs to secure Hand Grips.

# 3. Operation

## Work Table

**WARNING**
**The Work Table should only be fitted when the table/patient is in a semi-upright or upright position.**

**Never try to fit the Work Table when the table/patient is horizontal.**

**The Work Table has a safe working load of 20 Kg.**

Work Table

To fit the Work Table:-

A) Insert Work Table Frame into sliding fixation brackets.
B) Tighten locking knobs on fixation brackets to secure Work Table.

To adjust the height of the Work Table:-

A) Loosen locking knobs on sliding fixation brackets on both sides of the table.
B) Slide Work Table Assembly along chrome rails to desired height
C) Re-tighten locking knobs to secure Work Table.

Hand wheel

To alter the angle of the Work Table:-

A) Unscrew hand wheel on the underside of the Work Table.
B) Adjust Work Table to the required angle.
C) Tighten hand wheel to secure Work Table in the new position.

# 3. Operation

## Fixation Straps & Harnesses

### Standard Tilt Table (Models 8622, 8631 & 8632)

**WARNING**
**Check condition of straps and harnesses, if worn out or damaged replace immediately.**

**Always ensure that the straps and harnesses are in the correct position and that the patient is fully secure before operating the tilt facility.**

**Only use Huntleigh Healthcare, Akron Products Division straps and harnesses.**

The Standard Tilt Tables are supplied with the following Fixation Strap Set (TT3):

2 x Narrow Belts (TT1)

1 x Wide Belt (TT2)

The TT3 Strap set comprises of 2 x TT1 and 1 x TT2.

The Wide Belt (TT2) is used across the patient's knees and fastened using the Velcro straps:

The upper strap should be passed between the chrome side rail and upholstery on each side of the table and then pulled across the front side of the harness to fasten.

The lower strap should be passed around the back of the table and then back around the front to fasten on top of the lower portion of the harness.

The Narrow Belts (TT1) are supplied for securing the patients chest and hips:

The two straps on each harness must be passed between the upholstery and the chrome side rails on each side of the table and then pulled across the front of the harness to fasten.

# 3. Operation

## Fixation Straps & Harnesses

### Split Leg Tilt Tables (Models 8622T, 8631T & 8632T)

**WARNING**
**Check condition of straps and harnesses, if worn out or damaged replace immediately.**

**Always ensure that the straps and harnesses are in the correct position and that the patient is fully secure before operating the tilt facility.**

**Only use Huntleigh Healthcare, Akron Products Division straps and harnesses.**

The Split Leg Tilt Tables are supplied with the following Fixation Strap Set (TT6):

The TT6 Strap set comprises of 2 x TT1 and 1 x TT5.

Individual Knee Harnesses - Pair (TT5)

Individual Narrow Belts - Pair (TT1)

The TT5 strap set comprises of a pair of individual Knee Harnesses which can only be used in conjunction with the split leg upholstery models (8622T, 8631T & 8632T).

The straps of each individual TT5 Knee Harness must be passed between the aluminium channel and the upholstery and then pulled via the edge of the upholstery to the front of the table where it can be fastened onto the Knee Harness itself.

For instruction on fitting the TT1 harnesses, please refer to page 9.

## 4. Optional Accessories

### Emergency quick release mechanism (Model 8606)

This accessory is only available on models (8622 & 8622T).

**WARNING**
**Do not stand on any part of table frame to reach the Red Handle.**
**Do not re-position patient using the Quick Release Mechanism.**

CAUTION
The Quick Release Mechanism is for **EMERGENCY USE ONLY** in the event of a power failure.

It must not be used for routine lowering of the tilted section.

Always support the upholstery section when changing the tilt angle.

Red Handle (A)

Red Handle and Release Lever together (B)

Plastic Retaining Clips (C)

To lower from tilt position in an emergency situation, grasp and pull Red Handle *(A)* downwards until table is at approximately 45°. Do not stand on any part of table frame to reach this handle. From this position, quickly transfer grip by grasping Red Handle and Release Lever together *(B)*. Pull down until horizontal to allow removal of the patient from the table. Please note that from 45° angle, weight of patient will be positive and will need support as the table is lowered. Releasing the lever will immediately cause the table to lock into position.

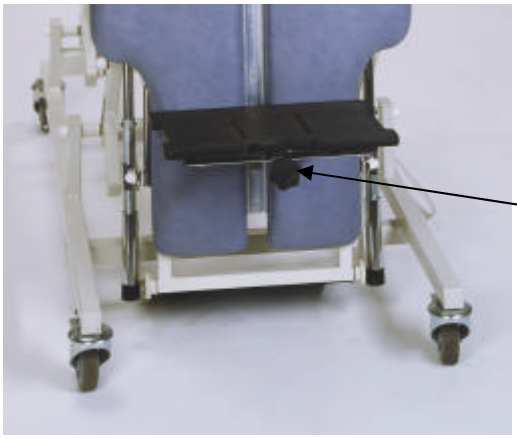
After use of 'Emergency Quick Release' function, the normal controls cannot be operated by the hand/foot switch until the table is returned to the same tilt angle prior to using the gas strut release lever. Use gas strut release lever grasped to handle to return table to tilt angle prior to emergency use. It can then be operated as normal with the hand/foot switch. The Red Handle, when not in use, can be secured to the frame by 'twisting' the Plastic Retaining Clips *(C)*.

## 4. Optional Accessories

### Adjustable Height Child Footboard (Model 8608)

**WARNING**
**The Adjustable Height Child Footboard has a safe working load of 50 Kg.**

This accessory is only available on the Split-Leg models (8622T, 8631T & 8632T).




For the majority of children, the standard adjustable footboard will be suitable for the positioning and fixation of harnesses and accessories. However, with small children, they may need to be positioned at a point higher up the table than the standard footboard in order to fix the harnesses and accessories, such as pelvic supports, correctly. To achieve the correct position, the child footboard must be purchased.

The Child Footboard can be quickly attached and positioned into the aluminium channel in the centre of the table. Adjustment for height is achieved by unscrewing the locking knob and sliding the board to the required height before re-tightening. The wrap straps should be used to secure the child's feet.

It must be noted that the maximum user weight and safe working load of the child footboard is rated at 50kgs maximum. Any child or adult exceeding this weight should therefore be positioned on the standard adjustable angle footboard.

# 4. Optional Accessories

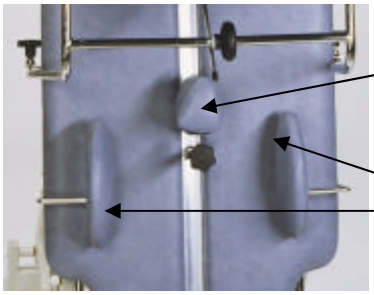
## Adjustable Height Pommel (Model 8607)

This accessory is only available on the Split-Leg models (8622T, 8631T & 8632T).

The pommel is fitted to the table by sliding the base bracket into the aluminium channel and sliding up to the required height. The locking knob, which should be positioned below the pommel support, should then be tightened to secure.

## Pelvic/Upper Body Supports - Pair (Model 8610)

The pelvic supports are fitted to the table by inserting the chrome bars into the small sockets of the bracket that secures the handgrips/worktable and secured by the locking knob provided. By switching the handed side supports from one side to the other different height positions can be achieved.



Adjustable Height Pommel (8607)

Pelvic/Upper Body Supports (8610)

## Sculptured Head Cushion (Model HC-2)

Adjust Head Cushion to suit patient by:

A) Unfastening Velcro strap.

B) Position where required.

C) Fasten Velcro strap to secure.

## 5. Cleaning and Decontamination

**WARNING**

**Do not use Alkalis or other organic solvents for routine cleaning.**

**Replace torn or damaged vinyl immediately.**

**Always cover vinyl with fresh paper or sheet between patients.**

**If contamination is known or suspected always decontaminate table before use.**

Frequency of routine cleaning will depend on exact application.

**CLEANING / DECONTAMINATION**

Locate table in a suitable cleaning area with castors disengaged or wheels locked.

1. Wear protective clothing: plastic disposable apron and gloves.
2. Disconnect any mains supply and lock couch wheels.
3. Control handsets can be wiped over using a 70% Isopropranol alcohol wipe.
4. Prepare a solution of warm water and neutral detergent.
5. Start at the top of the table and work your way downwards.
6. Wipe over head end working towards mid torso.
7. Wipe over remaining horizontal patient surface, working towards foot end.
8. Wipe all horizontal parts under the patient surface.
9. Wipe all vertical parts under the patient surface.
10. Wipe over shroud (if fitted).
11. Wipe over all parts of wheels.
12. Ensure all parts of the table are dry before re-use.
13. Safely discard cleaning materials.
14. Wash hands thoroughly.

If **DECONTAMINATING** then repeat steps 1) to 14) using a dilute Hypochlorite / warm water mixture (10,000ppm) instead of warm water and soap.

Put table back into service.

# 5. Cleaning and Decontamination

## Decontamination of Tilt Table Straps

It is not recommended that the straps are laundered on a regular or routine basis as this will eventually compromise the integrity of the material and associated Tac-Flex.

Tilt Table straps should be decontaminated when visibly soiled or if used on a patient known or suspected of being infectious.

## General Cleaning

The straps should be washed separately, as the Tac-Flex will attract debris from other material which will ultimately reduce its effectiveness.

The Tac-Flex should be joined prior to washing.

Machine Wash: Launder on a short cool wash.

Hand Wash: Immerse in a solution of neutral detergent and water.

## Disinfection

Thermal disinfection is preferable to chemical disinfection.

Thermal disinfection can be achieved by laundering at 71degrees for 3 minutes. Air Dry.

Chemical disinfection can be achieved following washing. Wipe equipment over using NaDCC 1,000 ppm av/chl. Air Dry

After cleaning / disinfection the straps should be thoroughly inspected prior to patient use. If deterioration is present or the Tac-Flex fails to maintain integrity, the straps must be replaced.

# 6. Troubleshooting – Electric Actuator

| Symptom | Possible cause | Action |
|---|---|---|
| Actuator will not work | Power disconnected | Ensure mains supply is connected |
| | Fuse blown | Replace fuse in socket |
| | Hand/footswitch disconnected | Check that the hand/foot switch is fully inserted into the actuator |

If the problem persists consult your local Huntleigh Healthcare, Akron Products Division supplier.

## 7. Maintenance

Check table visually before use.

Carry out routine servicing every six months or more frequently if in heavy use.

Routine servicing or repair must only be performed by suitably qualified person.

**WARNING**
**Before commencing any maintenance activity, disconnect the table from the electrical supply. Plug acts as disconnect device.**

Examine the table for any signs of damage. Make sure that all nuts, bolts and other fasteners are tight. Do not over tighten as this may cause binding.

Upholstery fasteners should be checked, tightened or replaced if necessary.

Check section hinge pins to ensure that no pin protrudes.

Check gas strut controls, throughout the full range of movement for locking and assistance.

Check hydraulic tables for smooth operation and signs of leakage.

**WARNING**
**All electrical checks should be performed by a suitably qualified and licensed electrician.**

**Neither BLUE or BROWN wires are to be connected to the earth terminal of a three pin plug.**

Examine the flexible cables for cuts, abrasions, kinking or other deterioration and replace if necessary.

Ensure that the power supply connector plug is securely attached.

Check mains plug connections are tight and fuse is correctly rated (5A).

## 8. Warranty and Service (UK only)

Huntleigh Healthcare, Akron Product Division's standard terms and conditions apply to this couch. A copy is available upon request. These contain full details of warranty terms and do not limit the statutory rights of the consumer.

For service, maintenance and any questions regarding this, or any other Huntleigh Healthcare, Akron Product Division product, please contact:

Huntleigh Healthcare
Akron Product Division
1 Farthing Road
Ipswich
Suffolk
IP1 5AP

Telephone: 01473 461042
Fax: 01473 462924

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If for any reason your couch is being returned, please inform Huntleigh Healthcare, Akron Product Division prior to sending, and:

1. Clean the product, as described in the cleaning section.
2. Pack it in suitable packing.
3. Attach the decontamination certificate (or other written statement declaring that the product has been cleaned) to the outside of the package.
4. Mark the package "Service Department".

Manufactured in the UK by Huntleigh Healthcare, Akron Product Division.

As part of the ongoing development programme this company reserves the right to modify specifications and materials of this couch without notice.

## 8. Warranty and Service (Outside UK)

Huntleigh Healthcare, Akron Products Division's standard terms and conditions apply to this table. A copy is available upon request. These contain full details of warranty terms and do not limit the statutory rights of the consumer.

For service, maintenance and any questions regarding this, or any other Huntleigh Healthcare Product, please contact:

Huntleigh Healthcare
Akron Products Division
1 Farthing Road
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If for any reason your table is being returned, please inform Huntleigh Healthcare, Akron Products Division prior to sending and:

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## 9. Revision Status

| 8622, 8622T, 8631, 8631T, 8632, 8632T | | | |
|---|---|---|---|
| **PAGES** | **ISSUE** | **WRITTEN** | **DATE** |
| ALL PAGES | UM - 03 | P. Hammond | 25/01/99 |
| PAGES 12 & 13 | UM - 04 | J. Austin | 18/11/99 |
| PAGES 2 & 9 | UM - 05 (DCN958/943) | J. Austin | 10/10/00 |
| PAGE 9 | UM - 06 (DCN966) | J. Barker | 09/02/01 |
| PAGE 6 | UM - 07 (DCN967) | J. Barker | 27/02/01 |
| VARIOUS | UM - 08 (DCN1046) | J. Barker | 06/05/05 |
| VARIOUS | UM - 09 (DCN1154) | J. Barker | 13/05/05 |

## 10. Technical Specification

| | 8622/8622T | 8631/8631T | 8632/8632T |
|---|---|---|---|
| | | | |
| Width (cm) | 63±1.5 | 63±1.5 | 63±1.5 |
| Overall Length (cm) | 186±3 | 186±3 | 186±3 |
| Height Range (cm) | 46±1.5<br>81±1.5 | 46±1.5<br>81±1.5 | 46±1.5<br>81±1.5 |
| Max. Load Weight | 180 Kg | 180 Kg | 180 Kg |
| Elevation Control | Electric | Hydraulic | Electric |
| Tilting Control | Electric | Manual | Manual |
| | | | |
| **Electrical Data 230v** | | | |
| | | | |
| Actuator | 220-240v | 220-240v | 220-24v |
| Internal Fuse Rt | T1.6A x 1 | T1.6A x 1 | T1.6A x 1 |
| Current | 1.6A | 1.6A | 1.6A |
| Power | 480W | 480W | 480W |
| Mains Plug Fuse Rt | - | - | 5.0A x 1 |
| | | | |
| **Junction Box** | | | |
| Mains Plug Fuse Rt (UK) | 5.0A x 1 | | |
| Junction Box Fuse Rating | T 3.15 x 1 | | |
| Output | 2 x (230v – 480W) | | |
| **Electrical Data 115v** | | | |
| | | | |
| Actuator | 115v | 115v | 115v |
| Internal Fuse Rt | F4.0A x 1 | F4.0A x 1 | F4.0A x 1 |
| Current | 3.3A | 3.3A | 3.3A |
| Power | 380W | 380W | 380W |
| | | | |
| **Junction Box** | | | |
| Junction Box Fuse Rating | T 8.0 x 1 | | |
| Output | 2 x (115v – 380W) | | |

## IEC 601-1 Classification

Check serial number label for classification

| 230v | 115v | 115v |
|---|---|---|
| Double Insulated | Double Insulated | Class 1 |
| Type B equipment | Type B equipment | Type B equipment |
| Attention consult this manual | Attention consult this manual | Attention consult this manual |

## 11. Transportation and Storage

Handle with care. Do not drop. Avoid shock or violent impact.

The equipment should be stored in a clean, dry and well ventilated area. The following limits apply during transport and for a storage period of up to 15 weeks:

| | |
|---|---|
| Ambient temperature | -25°C to +70°C |
| Relative humidity | 10% to 75% |
| Air pressure | 50 kPa to 106 kPa |

The following limits apply to operating conditions or longer periods of storage:

| | |
|---|---|
| Ambient temperature | +10°C to +40°C |
| Relative humidity | 30% to 75% |
| Air pressure | 70 kPa to 106 kPa |

## 12. Environmental Protection

Dispose of unit in compliance with local regulations.

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792-220-09